



AMENDMENTS TO THE CLAIMS:

This listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently amended) ~~A termination cyclone separator system for separating out solids from a particulate suspension, including a primary cyclone and joining and sealing the lower end of the leg of a secondary cyclone, and the leg of a primary cyclone,~~ comprising:

a cyclone separator leg which joins the lower end of ~~the~~ a leg of the secondary cyclone and ~~the~~ a leg of the primary cyclone to form a single primary and secondary cyclone leg complex where solids collected by both cyclones are combined, said separator leg terminating distally in a radius-curved single ~~leg~~ termination that is immersed ~~into~~ in a fluidized bed of particles and devoid of movable sealing parts, wherein said collected and combined solids are discharged from said separator leg through said radius-curved single leg termination, and the level of said fluidized bed of particles being located above the junction of the lower ends of the secondary and primary cyclone legs.

Claim 2. (canceled).

3. (Previously presented) A system according to claim 1, wherein the radius-curve of the single leg termination has a ratio of radius/diameter within the range from 1.0 to 3.0.

4. (Previously presented) A system according to claim 1, wherein said radius-curved single leg termination is constructed from a succession of straight tube sections in an arcuate array.

5. (Previously presented) A system according to claim 4, wherein the succession of straight tube sections of the radius-curve direct a descending mass flow of dense phase solids into a plane orthogonal to an ascending gaseous flow.

6. (Previously presented) A system according to claim 1, wherein, with respect to the centre line of an inlet to the radius-curved single leg termination, a junction of the leg of the primary cyclone and the leg of the secondary cyclone lies on the side opposite a distal end of the radius-curved termination and higher than the distal end by a distance in the range from 3.5 to 5.5 times a diameter of the leg of the primary cyclone.